ABSTRACT OF THE DISCLOSURE

BIOS framework for accommodating multiple service processors on a single server to facilitate distributed/scalable server management. During a pre-boot phase for a server, information is collected pertaining to service capabilities supported by each of a plurality of service processors used to service server management requests for a server, wherein the services supported by each service processor are performed via execution of service code associated with that service processor. The service capabilities are aggregated across all of the service processors, and a corresponding unified presentation of service capabilities is provided to a service consumer. End-users are enabled to provide preferences that define a usage order for like services hosted by different service processors within the same system. The BIOS framework can detect the addition or removal of hot-swap cards hosting one or more service processors and associated service code, and update the unified presentation of service capabilities to reflect new added service capabilities or remove previously existing service capabilities.